Amendments to the Drawings:

The attached sheet of drawings includes changes to Figs. 1, 5C, 7, 8, 11 and 13. The attached sheets replace the original sheets that included Figs. 1, 5A-5C, 6, 7, 8, 11 and 13.

In Fig. 1, the acoustic source **101** has been labeled, per the text, and the second processor **109** has been shown.

In Fig. 5C, superfluous label 507c has been removed.

In Fig. 7, cross-hatching has been added in conformance with co-filed 10/670,924.

In Fig. 8, valve **807** has been labeled.

In Fig. 11, reference number **1102** is now correctly presented, and superfluous label 1103 has been removed.

In Fig. 13, superfluous label 1302 has been removed.

Remarks

Claims 1-10 and 15-17, 19, and 21-27 are currently pending in the captioned Application, claims 11-4, 18 and 20 having been canceled without prejudice.

A Supplemental Information Disclosure is attached hereto, disclosing a reference that was inadvertently mislisted in a prior disclosure.

The specification has been amended to refer to feature **400** consistently as the enclosure of the (acoustic) volume sensor.

Amended drawings correct reference characters and delete superfluous reference signs, and conform Fig. 7 to the same figure as filed in a corresponding application.

Claim 1 has been amended to provide a corrected number of periods at the end of the claim. Claim 10 has been amended to recite the flow rate sensor inadvertently omitted in the claim as filed.

A Terminal Disclaimer with respect to the patent that will issue from copending Serial No. 10/670924 overcomes the provisional rejection on grounds of nonstatutory double patenting.

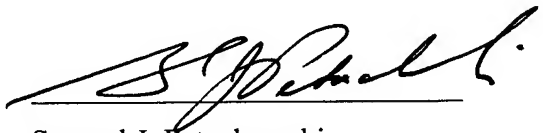
Finally, claims 8, 16, 17, and 22-27 stand rejected as anticipated by Kamen (US 5,575,310). Kamen, however, teaches determining the volume of a *liquid*. Reference can be made to the same passage cited on p. 5 of the Office Action, for example, namely, the passage beginning at col. 2, line 50. The rejected claims (8, 16, 17 and 22-27), however, all relate to an *aerosol volume*. An aerosol, of course, is a colloidal suspension of a liquid in a gas, and, as a gas is a distinct fluid phase of matter (and certainly not a liquid), an aerosol cannot be treated as a liquid. Thus, it is neither taught in Kamen, nor obvious, to apply the techniques of measuring liquid volumes to the calculation of volumes of an

aerosolized state of liquid in gaseous suspension. In particular, Kamen refers to a volume of liquid distinct from a volume of gas, where an increase in the volume of liquid results in a corresponding decrement in a spatially distinct volume of gas that is in communication with the distinct volume of liquid. As the present claims require calculation of a volume of liquid in aerosol suspension, the present claims are patentable over any teaching of the Kamen '310 patent.

The Application is thus deemed in condition for allowance, which is requested.

Applicants believe that no extension of time is required. If any additional fees are required for the timely consideration of this Application, please charge deposit account number 19-4972.

Respectfully submitted,



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Fax: 617 443-0004

01062/00D43 540701.1

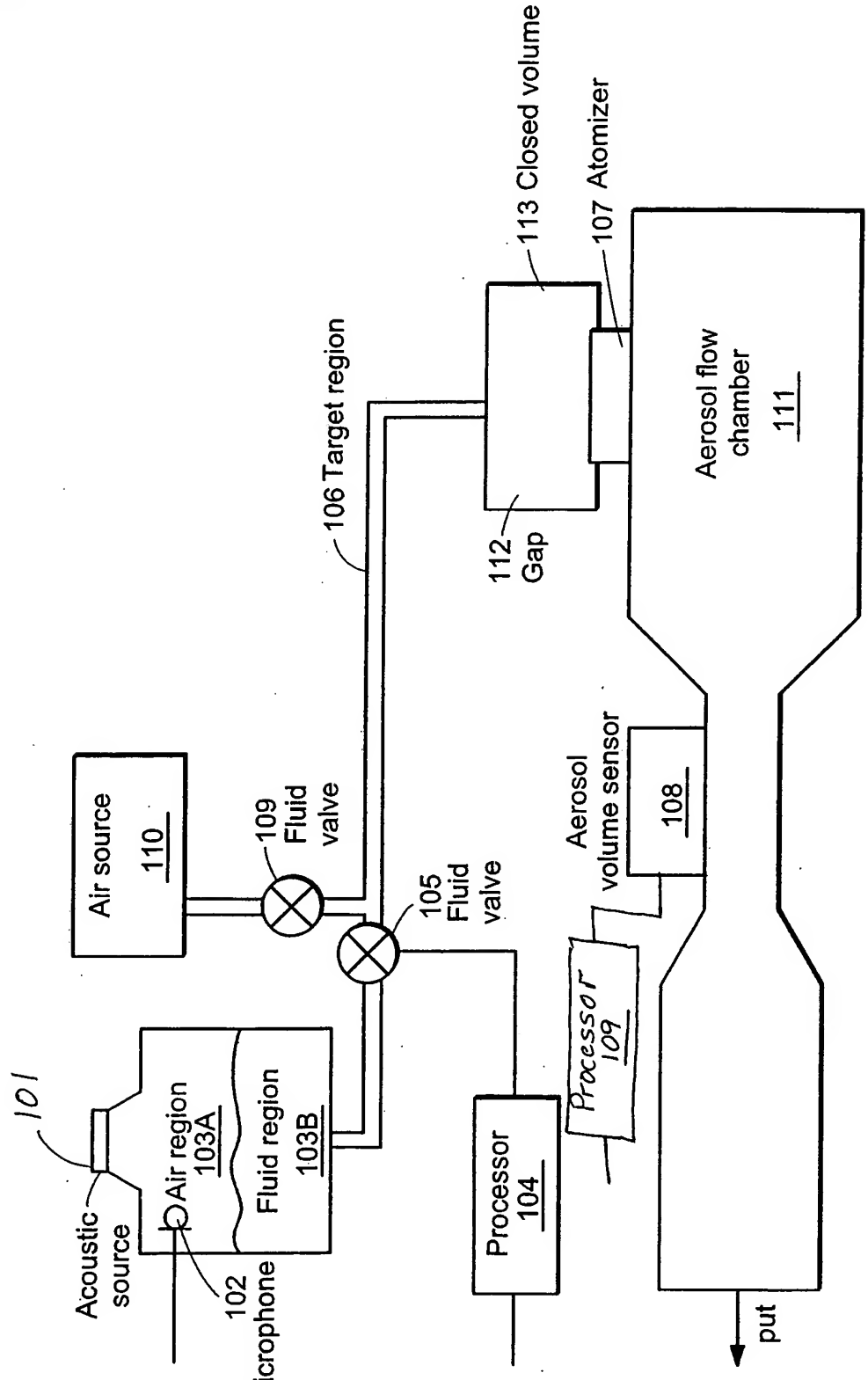

FIG. 1

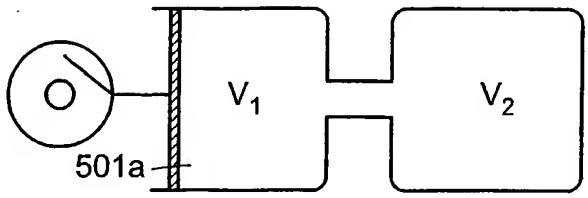

FIG. 5A

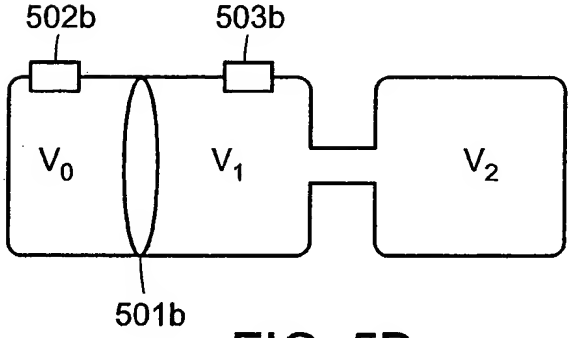

FIG. 5B

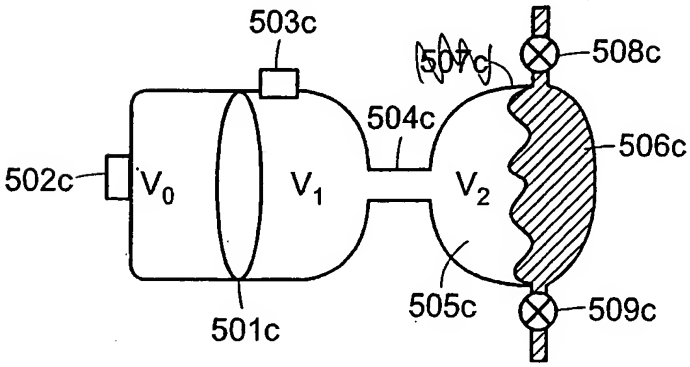

FIG. 5C

6/16

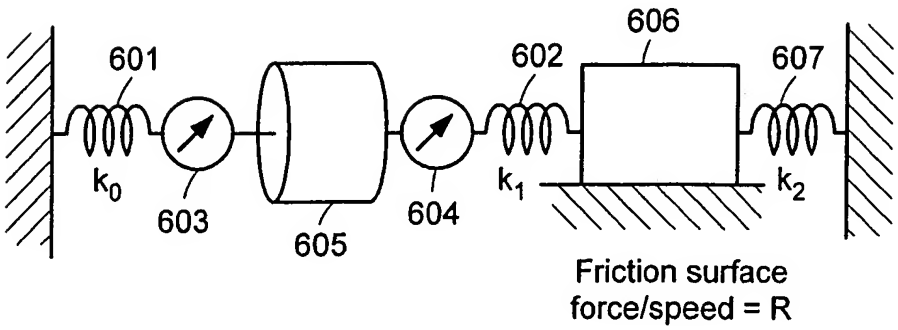

FIG. 6

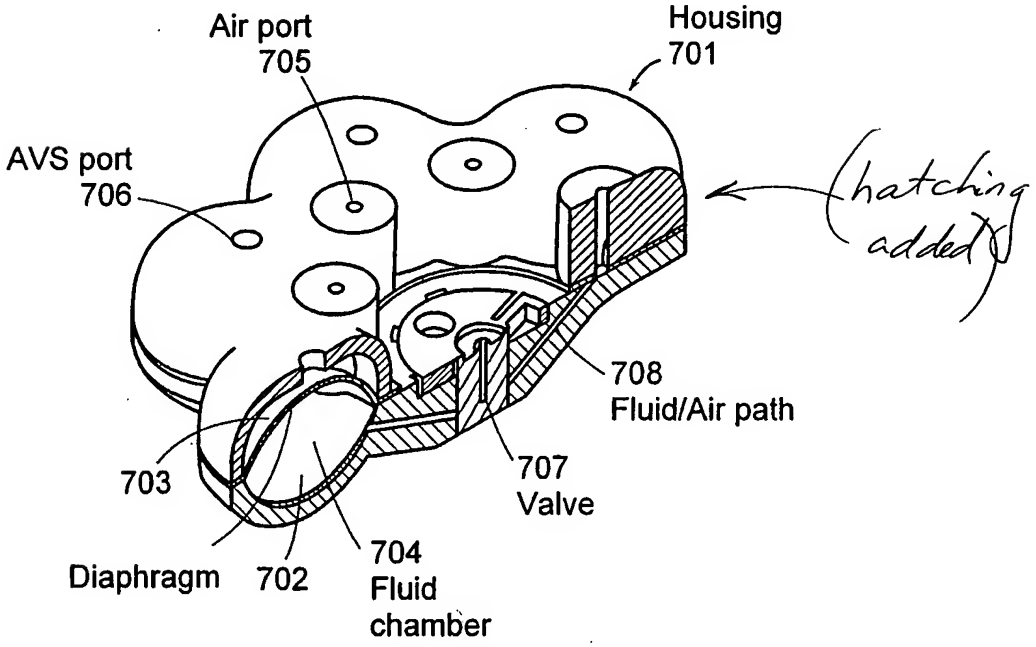

FIG. 7

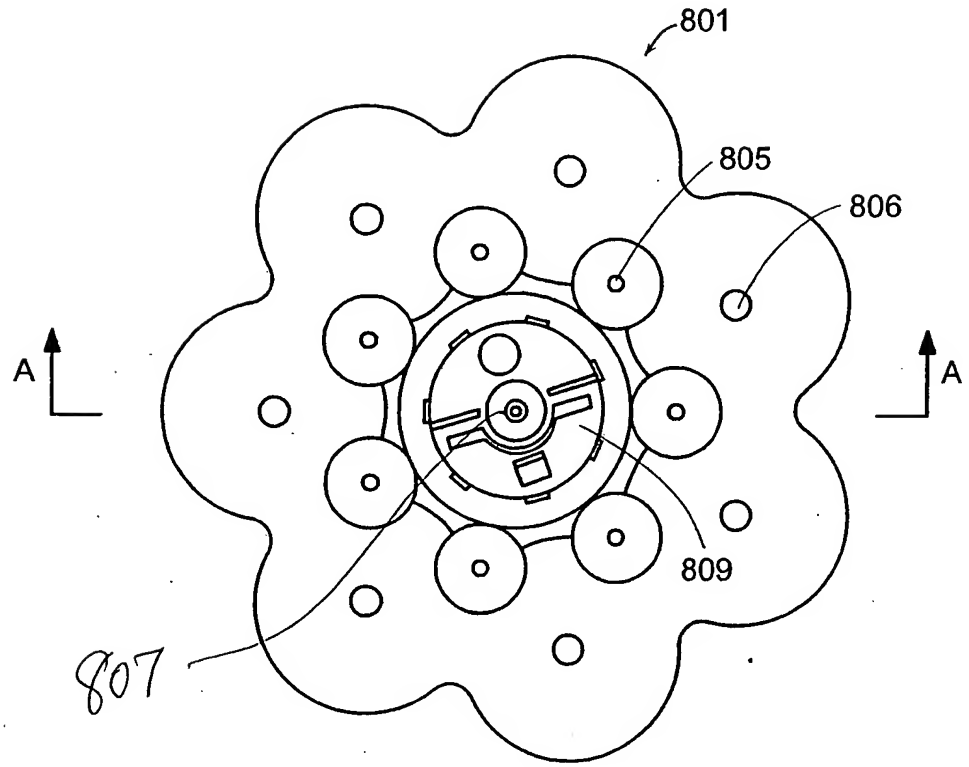

FIG. 8

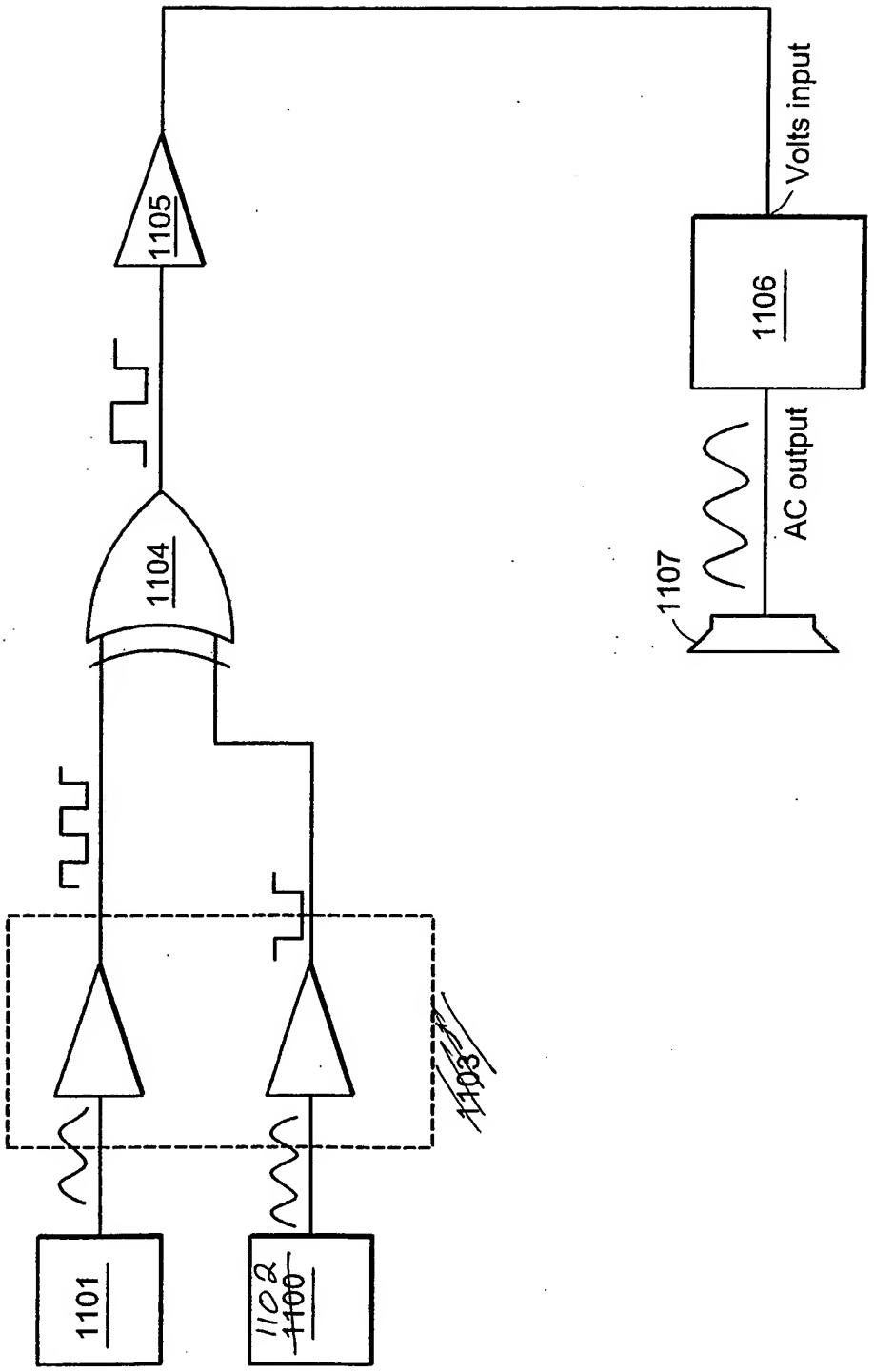
1105
1104
1101
1102
1100
1103
1106
Volts input
AC output
1107

FIG. 11

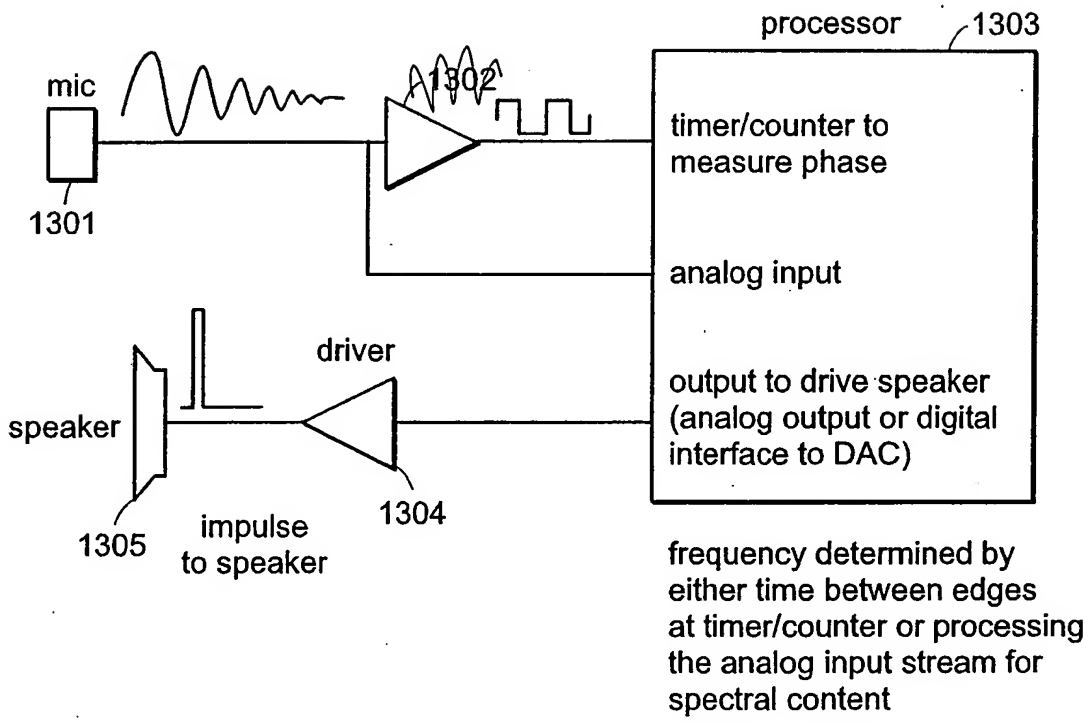
processor
1303
mic
1302
1301
timer/counter to measure phase
analog input
driver
speaker
output to drive speaker (analog output or digital interface to DAC)
1305
impulse to speaker
1304
frequency determined by either time between edges at timer/counter or processing the analog input stream for spectral content

FIG. 13